

Marine Georesources & Geotechnology

Volume 13, Numbers 1 and 2, 1995

Special Issue:
Submarine Tailings Disposal

Guest Editors:
D. V. Ellis and G. W. Poling

Contents

In Memoriam: Professor J. Robert Moore Michael J. Cruickshank	iii
Introduction to the Special Issue	1
D. V. Ellis and G. W. Poling	
Submarine Tailings Disposal (STD) for Mines: An Introduction D. V. Ellis, G. W. Poling, and R. L. Baer	3
Mining/Milling Processes and Tailings Generation G. W. Poling	19
Sulfate-Reducing Bacteria and Immobilization of Metals K. A. Perry	33
Tailings Disposal at a Marine Placer Mining Operation by WestGold, Alaska R. H. T. Garnett and D. V. Ellis	41
Review of 23 Years of STD: Island Copper Mine, Canada D. V. Ellis, T. F. Pedersen, G. W. Poling, C. Pelletier, and I. Horne	59
Importance of Geochemistry: The Black Angel Lead-Zinc Mine, Greenland G. W. Poling and D. V. Ellis	101
Effects of Changing Environmental Rules: Kitsault Molybdenum Mine, Canada T. F. Pedersen, D. V. Ellis, G. W. Poling, and C. Pelletier	119
Quartz Hill, Alaska: A Case History of Engineering and Environmental Requirements for STD in the USA C. A. Hesse and D. V. Ellis	135

Deep Water STD at the Misima Gold and Silver Mine, Papua, New Guinea S. G. Jones and D. V. Ellis	183
Potential for Retrofitting STD D. V. Ellis, G. Poling, and C. Pelletier	201

Marine Georesources & Geotechnology

Volume 13, Number 3, 1995

Contents

Technical Note—Wood's Equation Revisited Gwang Hoon Lee	235
Relationship between Geophysical and Geotechnical Properties of Marine Sediments Using Biot-Stoll Model K. Muthukrishniah, Zachariah Reji, G. R. K. Murthy, and P. V. Nair	243
Sulfide-Impregnated Volcanics and Ferromanganese Incrustations from the Southern Lau Basin (Southwest Pacific) Klaus-Peter Burgath and Ulrich von Stackelberg	263
High Rates of Hydrothermal Activity at the West Rift of the Easter Microplate Deduced from Metalliferous Sediment Composition G. S. Roonwal, G. P. Glasby, and G. Kumar	309
Mineralogy and Composition of Manganese Crusts and Nodules and Sediments from the Manihiki Plateau and Adjacent Areas: Results of HMNZS Tui Cruises P. Walter, G. P. Glasby, W. L. Plüger, H. Kunzendorf, and M. A. Meylan	321

Marine Georesources & Geotechnology

Volume 13, Number 4, 1995

Contents

- Geochemical Assessment on Hydrothermal Contribution to Floor
Sediments from the Kita-Bayonnaise Submarine Caldera,
Izu-Ogasawara Arc, Northwestern Pacific
Kokichi Iizasa 339
- Interaction of Multiple Helical Earth Anchors Embedded in
Granular Soil
William A. Shaheen and Kenneth R. Demars 357
- First Investigations of Massive Ferromanganese Crusts
in the NE Atlantic in Comparison with Hydrogenetic
Pacific Occurrences
Andrea Koschinsky, Marc van Gerven, and Peter Halbach 375
- Megabenthic Recolonization in an Experimentally Disturbed
Abyssal Manganese Nodule Area
Hartmut Bluhm, Gerd Schriever, and Hjalmar Thiel 393
- Behavior of a Shallow Plate Anchor in Clay under Sustained Loading
B. M. Das 417
- Following Page 428:
Title Page to Volume 13
Contents of Volume 13
Author Index to Volume 13

